Title (en)

METHOD FOR MEASURING RADON AND THORON IN AIR

Title (de)

VERFAHREN ZUR MESSUNG VON RADON UND THORON IN LUFT

Title (fr)

METHODE DE MESURE DU RADON ET DU THORON DANS L'AIR

Publication

EP 2023161 A1 20090211 (EN)

Application

EP 06834553 A 20061213

Priority

- JP 2006324798 W 20061213
- JP 2006157321 A 20060606

Abstract (en)

A novel method for measuring airborne radon and thoron capable of separately measuring radon and thoron with high sensitivity, having a small-sized device structure, and free of the influence from its measurement environment. In the method, by measuring Cherenkov light generated when airborne radon and thoron are adsorbed to an absorbent and then ² rays emitted in process of disintegrations of radon and thoron pass through the absorbent, radon and thoron are measured. Based on a decay time of the Cherenkov light, a mixture ratio between radon and thoron is measured. As the absorbent, porous glass is preferably employed which is provided with fine pores of 0.3 to 30nm in diameter.

IPC 8 full level

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CPC (source: EP US)

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